UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/595,271	01/11/2007	Alessio Corazza	6023-189US (BX2850M)	6570
PANITCH SCHWARZE BELISARIO & NADEL LLP ONE COMMERCE SQUARE			EXAMINER	
			WON, BUMSUK	
	2005 MARKET STREET, SUITE 2200 PHILADELPHIA, PA 19103		ART UNIT	PAPER NUMBER
			2889	
			MAIL DATE	DELIVERY MODE
			01/06/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/595,271	CORAZZA ET AL.			
Office Action Summary	Examiner	Art Unit			
	BUMSUK WON	2889			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 11 Ja This action is FINAL . 2b)☑ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 1-9 is/are pending in the application. 4a) Of the above claim(s) is/are withdrav 5) Claim(s) is/are allowed. 6) Claim(s) 1-9 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the or	relection requirement. r. epted or b)□ objected to by the B				
Replacement drawing sheet(s) including the correcti 11) The oath or declaration is objected to by the Ex-		• •			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 4/4/2006.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gallitognotta (US 2003/0090202) which is cited in the IDS in view of Amiotti (US 2003/0230793).

Regarding claim 1, Gallitognotta discloses a cathode (11) comprising a metallic bearing part (12) at least partially coated with a layer of getter material (21), wherein the getter material is made of zirconium, vanadium yttrium, and so on (paragraph 16).

However, Gallitognotta does not specifically discloses the material is selected from: alloys comprising zirconium, cobalt and at least one component selected from yttrium, lanthanum and rare earths such that, in a ternary diagram of weight % compositions, the alloys are enclosed in a polygon defined by the following points: a) Zr 81%-Co 9%-A 10% b) Zr 68%-Co 22%-A 10% c) Zr 74%-Co 24%-A 2% d) Zr 88%-Co 10%-A 2% wherein A is an element selected from yttrium, lanthanum, rare earths, and mixtures thereof; alloys consisting of yttrium and aluminum containing at least 70% by weight yttrium; and alloys consisting of yttrium and vanadium containing at least 70% by weight yttrium.

Amiotti discloses a getter material having Zr 80.8%, Co 14.2%, and yttrium 5% (paragraph 26), for the purpose of removing contaminant material effectively.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have a getter material having Zr 80.8%, Co 14.2%, and yttrium 5% in the cathode disclosed by Gallitognotta, for the purpose of removing contaminant material effectively.

Regarding claim 2, Gallitognotta discloses the metallic bearing part comprises nickel (paragraph 15).

Regarding claim 3, Gallitognotta discloses the metallic bearing part has a hollow cylinder shape (paragraph 12).

Regarding claim 4, Gallitognotta discloses the getter material layer is formed by cathodic deposition (paragraph 7).

Regarding claim 5, Gallitognotta discloses the getter material layer has a thickness of less than 20 microns (paragraph 17).

Regarding claim 6, Gallitognotta discloses the metallic bearing part (12) has a shape of a hollow cylinder (paragraph 12), and wherein during the cathodic deposition (paragraph 7) the part is at least partially coated on one or both internal and external surfaces of the cylinder by masking with a suitably shaped support element (paragraph 21).

Regarding claim 7, Gallitognotta discloses the getter material layer is formed by electrophoretic deposition (paragraph 7).

Regarding claim 8, Gallitognotta discloses the metallic bearing part (12) has a shape of a hollow cylinder (paragraph 12), and wherein during the electrophoretic deposition (paragraph 7) the part is at least the partially coated on one or both internal and external surfaces of the cylinder by partial immersion in a liquid suspension containing getter particles used for the deposition (paragraph 22).

Regarding claim 9, Gallitognotta discloses the step of masking one of the surfaces to achieve the partial coating (paragraph 21).

Art Unit: 2889

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to BUMSUK WON whose telephone number is (571)272-2713. The examiner can normally

be reached on Monday through Friday, 8:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Minh

Toan Ton can be reached on 571-272-2303. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer

Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR

CANADA) or 571-272-1000.

/Bumsuk Won/

Examiner, Art Unit 2889